

NAVIGATIONAL INTERFACE FOR MOBILE AND WEARABLE COMPUTERS

Abstract of the Invention

The navigational interface allows a user to control computer operations and input text into applications running on the computing system with a single input device. The navigational interface operates by receiving selection signals from the input device. The navigational interface includes an input device, a navigational interface interpretation module having a sensor pattern, and a control display providing feedback of the navigational interface interpretation module operations. The sensor pattern is radially divided into a central sensory portion, a petals sensory portion divided into sensory petals, and a circumferential sensory portion. Each sensory portion references an information element. The information elements are associated with tasks to be performed in the computing system. The tasks might be computer control operations, application selection, application operation, or inputting and editing of textual characters into various applications running on the computing system. The information elements are selected by a selection stroke on the sensory portions and sensory petals of the sensor pattern. The selection stroke is defined by information in the selection signal, which is transmitted pursuant to a user input stroke. Tasks are performed through recognition of the selection signal by the navigational interface interpretation module. Following task execution, the information elements associated with the sensor pattern are functionally updated according to the executed task.